

Message Text

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PAGE 01 STATE 124003
ORIGIN NASA-02

INFO OCT-01 EUR-12 ISO-00 OES-07 CIAE-00 INR-07
NSAE-00 /029 R

DRAFTED BY NASA/I/LFHANOLD:GG
APPROVED BY OES/APT/SEP:RGMORRIS
NASA/I/BMZOOK
NASA/SB/DLWINTER
EUR/SOV:SHUMPHREY
OES/APT/SEP:ASHELDON
OES/APT/SA:REDDINGTON (INFO)
-----290519Z 112724 /12
R 280135Z MAY 77
FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW

UNCLAS STATE 124003

E.O. 11652: N/A

TAGS: TSPA, UR

SUBJECT: SPACE AGREEMENT: SPACE BIOLOGY AND MEDICINE
(04.05.02) GROUND-BASED RADIATION DOSIMETRY EXPERIMENT

FOR SCICOUN

1. PLEASE PASS THE FOLLOWING MESSAGE FROM DR. WINTER, US
CO-CHAIRMAN SPACE BIOLOGY AND MEDICINE WORKING GROUP, TO
HIS SOVIET COUNTERPART, DR. GUROVSKY, WITH COPIES TO
ACADEMICIAN GAZENKO AND INTERCOSMOS.

2. MAY 20, 1977 (04.05.02)

DR. NIKOLAI N. GUROVSKY
CHAIRMAN OF THE SOVIET WORKING
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GROUP ON SPACE BIOLOGY AND MEDICINE
CHIEF OF THE DEPARTMENT OF SPACE
BIOLOGY AND MEDICINE
THIRD MAIN ADMINISTRATION
U.S.S.R. MINISTRY OF HEALTH
MOSCOW, U.S.S.R.

DEAR DR. GUROVSKY

PLEASED TO INFORM THAT US PREPARED IN GENERAL ACCEPT SOVIET PROPOSAL CONDUCT GROUND-BASED JOINT RADIATION DOSIMETRY STUDIES CONNECTION K206 EXPERIMENT ON COSMOS 77. REGRETTABLY, NOT ABLE PARTICIPATE IN ANALYSIS BIOLOGICAL MATERIALS DUE TO BUDGETARY CONSTRAINTS. OUR PROPOSALS FOR IMPLEMENTING GROUND-BASED PHASE OUTLINED BELOW. ADDITIONAL DETAILS BEING FORWARDED BY MAIL.

1) EXPOSE EQUAL AMOUNTS OF PLASTIC NUCLEAR TRACK DETECTORS, NUCLEAR EMULSIONS, AND THERMOLUMINESCENT DEVICES (TLD) FROM EACH SIDE TO HEAVY IONS AT THE LAWRENCE BERKELEY LABORATORY, CALIFORNIA, USA.

2) EXPOSE EQUAL AMOUNTS OF DETECTORS, AS ABOVE, FROM EACH SIDE TO HEAVY IONS AT DUBNA, USSR.

3) PROVIDE HALF OF US DETECTORS AND HALF OF USSR DETECTORS IRRADIATED AT BERKELEY TO DR. E.V. BENTON, UNIVERSITY OF SAN FRANCISCO, USA, FOR ANALYSIS AND OTHER HALF TO DR. E.E. KOVALEV, INSTITUTE OF BIOMEDICAL PROBLEMS, USSR, FOR ANALYSIS.

4) PROVIDE HALF OF US DETECTORS AND HALF OF USSR DETECTORS IRRADIATED AT DUBNA TO DR. BENTON FOR ANALYSIS AND OTHER HALF TO DR. KOVALEV FOR ANALYSIS.

5) PROCESS INDEPENDENTLY RESPECTIVE DETECTORS AND INFORM
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OTHER SIDE OF EXACT PROCEDURES FOLLOWED. ONLY EXCEPTION IS THAT THE EMULSIONS IRRADIATED IN USSR WHICH ARE DESIGNATED FOR US ANALYSIS SHOULD BE PHOTOGRAPHICALLY PROCESSED IN USSR AND THEN ANALYZED IN US.

6) EACH SIDE WILL EXCHANGE ALL RESULTS WITH THE OTHER. EXACT DATES FOR EXCHANGE OF DOSIMETERS, COMPLETION OF IRRADIATION, AND EXCHANGE OF RESULTS CAN BE AGREED UPON THROUGH CORRESPONDENCE, FOLLOWING AGREEMENT ON EXPERIMENT PROTOCOL. HOWEVER, WE RECOMMEND RESULTS BE EXCHANGED NOT LATER THAN TWELVE MONTHS FOLLOWING END OF COSMOS 77 MISSION.

NEED FOR PROPOSED EXCHANGE OF VISITS IN CONNECTION WITH K206 GROUND-BASED EXPERIMENT NOT APPARENT AT THIS TIME. NEED COULD BE REASSESSED AFTER JULY 1 IN LIGHT OF K206 DISCUSSIONS IN MOSCOW IN JUNE. BY THEN SHOULD HAVE RESOLVED EXACT QUANTITY AND COMPOSITION OF DOSIMETER PACKAGES AND TARGET DATES FOR EXCHANGE OF MATERIALS.

BEST REGARDS,

DAVID L. WINTER, M.D.
NASA DIRECTOR FOR LIFE SCIENCES

CC: ACADEMICIAN GAZENKO
INTERCOSMOS

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: TEXT, PUBLIC CORRESPONDENCE, SPACE AGREEMENTS
Control Number: n/a
Copy: SINGLE
Sent Date: 28-May-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE124003
Document Source: CORE
Document Unique ID: 00
Drafter: GG
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770192-0410
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t1977056/aaaaaevj.tel
Line Count: 126
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 33a2a494-c288-dd11-92da-001cc4696bcc
Office: ORIGIN NASA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 22-Mar-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2528404
Secure: OPEN
Status: NATIVE
Subject: SPACE AGREEMENT: SPACE BIOLOGY AND MEDICINE (04.05.02) GROUND-BASED RADIATION DOSIMETRY EXPERIMENT FOR SCICOUN
TAGS: TSPA, UR, US
To: MOSCOW
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/33a2a494-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009